

11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209 501-455-3233 Fax 501-455-6118

31 May 2012

Jim Fleer Oxford Environmental & Safety, Inc 14348 Nieman Rd. Overland Park, KS 66221

**RE: Arkwood Monthly Sampling** 

SDG Number: 1205271

Enclosed are the results of analyses for samples received by the laboratory on 24-May-12 09:15. If you have any questions concerning this report, please feel free to contact me.

## Sample Receipt Information:

Custody Seals							
Containers Correct							
COC/Labels Agree							
Preservation Confirmed							
Received On Ice							
Temperature on Receipt	4.0°C						

Sincerely,

Norma James President

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**Project: Arkwood Monthly Sampling** 

Date Received: 24-May-12 09:15



SAMPLE DELIVERY GROUP: 1205271

### SEMIVOLATILES:

The three compounds labeled (surr) on the attached final report are "surrogates." Recovery of surrogates is for lab use only to determine the effectiveness of the extraction procedure; surrogate recoveries are not analytical results. The three surrogate compounds are as follows: 2,4,6-tribromophenol, 2-fluorophenol, and Phenol-d5.



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Project: Arkwood Monthly Sampling

Date Received: 24-May-12 09:15



Lab Number: 1205271-01
Sample Name: Mouth
Date/Time Collected: 5/23/12 10:35
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	Qualifier(s)	Date/Time Analyzed	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	10.9		5/30/12 11:25	A205357	8270D
2,4,6-Tribromophenol [surr]	%	91.7		5/30/12 11:25	A205357	8270D
2-Fluorophenol [surr]	%	38.2		5/30/12 11:25	A205357	8270D
Phenol-d5 [surr]	%	24.4		5/30/12 11:25	A205357	8270D

#### **ANALYTICAL RESULTS**

Lab Number: 1205271-02
Sample Name: Weir
Date/Time Collected: 5/23/12 10:15
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	Result	Qualifier(s)	Date/Time Analyzed	<u>Batch</u>	Method
Pentachlorophenol	ug/L	< 5.00		5/30/12 11:47	A205357	8270D
2,4,6-Tribromophenol [surr]	%	35.5		5/30/12 11:47	A205357	8270D
2-Fluorophenol [surr]	%	19.2		5/30/12 11:47	A205357	8270D
Phenol-d5 [surr]	%	17.6		5/30/12 11:47	A205357	8270D

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## **QUALITY CONTROL RESULTS**

#### Semivolatiles - Quality Control Analyzed: 30-May-12 10:01 By: LR

		Reporting	_	Spike	Source		%REC	_	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch A205357 - 3510C Modified										
Blank (A205357-BLK1)				Prepared:	25-May-12	Analyzed:	30-May-12			
Pentachlorophenol	ND	5.00	ug/L							
Surrogate: 2,4,6-Tribromophenol	31.5		"	40.0		78.8	7.26-141			
Surrogate: 2-Fluorophenol	16.3		"	40.0		40.8	11.4-120			
Surrogate: Phenol-d5	10.3		"	40.0		25.7	6.55-116			
LCS (A205357-BS1)				Prepared:	25-May-12	Analyzed:	30-May-12			
Pentachlorophenol	39.2	10.0	ug/L	40.0		98.1	62.2-120			
Surrogate: 2,4,6-Tribromophenol	36.4		"	40.0		90.9	7.26-141			
Surrogate: 2-Fluorophenol	18.5		"	40.0		46.3	11.4-120			
Surrogate: Phenol-d5	12.7		"	40.0		31.8	6.55-116			
Matrix Spike (A205357-MS1)	Sour	ce: 12052	71-02	Prepared:						
Pentachlorophenol	39.2	10.0	ug/L	40.0	ND	97.9	38.7-153			
Surrogate: 2,4,6-Tribromophenol	9.11		"	40.0		22.8	7.26-141			
Surrogate: 2-Fluorophenol	7.86		"	40.0		19.6	11.4-120			
Surrogate: Phenol-d5	9.57		"	40.0		23.9	6.55-116			
Matrix Spike Dup (A205357-MSD1)	Sour	Prepared:								
Pentachlorophenol	39.1	10.0	ug/L	40.0	ND	97.9	38.7-153	0.0664	42.3	
Surrogate: 2,4,6-Tribromophenol	12.9		"	40.0		32.3	7.26-141			
Surrogate: 2-Fluorophenol	10.3		"	40.0		25.8	11.4-120			
Surrogate: Phenol-d5	10.4		"	40.0		26.1	6.55-116			

All Analysis performed according to EPA approved methodology when available:

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods, 20th Edition. Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by:

Norma James President Arkansas Analytical

Arkansas Analytical

Overland Park, KS 66221 Project: Arkwood Monthly Sampling Oxford Environmental & Safety, Inc 14348 Nieman Rd.

Date Received: 24-May-12 09:15

CHAIN OF CUSTODY FORM(S)

12/1/10

Arkansas Analytical

11701 Interstate 30, Bldg. 1, Ste. 115

Little Rock, AR 72209 PHONE: 501-455-3233 FAX: 501-455-6118

# **CHAIN OF CUSTODY RECORD**

CLIENT INFORMATION				Project Description Tumarour			Tumaround Time	Preservation Codes:											
Oxford Environmental & Safety, Inc.					1	Arkwood Monthly		24 Hour	1. Cool, 4 Degrees Centig			grade 4. Thiosulfate for Dechlorina				chlorinat	ion		
14348 Nieman Rd.				48 Hour					2. Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ), pH < 2 5. Hydro						drechleric Acid(HCI)				
Overland Park KS 66221					Reporting Information 72 Hour 3					c Acid (H	NO,), pH	< 2		6. Sodin	ım Hydroxide	(NaOH)	pH > 12		
							Telephone: 913-7		Routine (5 Day)			TEST	PAR	AME	TERS		tile Type Code		
Attn: Jim Fleer						Е	mail: jfleer@oxford	deands.com	Preservative Code:	1					-		_	Glass, P = Plastic	
									Bottle Type:	GA		_		_			V = S	opture; A = Amber	
Sampler(s) Signature  James Sampler(s) Pri				Kleer											Ana	krkansas lytical Work er Number:			
Field	SAMPLE CO			1 1	Number	Sample	IDENTIFIC	SAMPLE CATION/ DES	CRIPTION	Pentachlorophenol (8270D)					. ,		12	05271	
Number	Date/s	Time/s		Comp				OATION DES	VIAIT HOIT									01	
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																	_		
1. Relinquished by	y: (Signature)	Date/Time		2. Re	ceived	d by: (Signature) SAMPLE CONDITION UPON					ON RECEIPT IN LAB REMARKS						S / SAMPLE COMMENTS		
5/23/2012				1. CUSTODY SEALS:				√Y.	es	No I	MS/MSD	Collect	ed from	: Well					
16 min	)**	12:15			-01	lΩ		2 CONTAINER	S CORRECT:	Y	es	No	Oz Por	w15	0%				
12:15			M	2. CONTAINERS CORRECT:						No 03 Conc : 2.26%									
				-	1	3. COC/LABELS AGREE:						~~ }	Di I	10-3	2 R/s				
3. Relinquished by	y: (Signature)	Date/Time	7.	4. Re	ceived	d by lab: (Signature) 4. PRESERVATION CONFIRMED:					es	.No	Ill's due	EUZ	1000	2			
\ \	101	6/29/16				0		5. RECEIVED O	ON ICE: YesNo			Residual Ozi 3, BUggan Flow Rute: 18,18							
	MA	MIG			hur	ХИХ	MANNEY.	6. TEMPERATU	JRE ON RECEIPT:	4									
]	(,,	CALL		1/1	TVU	8. TEMPERATURE ON RECEIPT:					NLY								
Revision 1				100	V		1												